

FIGURE 1

1 GAATTCGGTACGAGAGAGTCTGCAAGCACTGGTGTCTTCTCAGAGAGTCTTGAAGCCAGAG

61 CAGGTCAGAG ATG TCA CGG GAG CTG GGC CCA CTG CTG CTT CTC CTC
-20 Met Thr Arg Glu Leu Ala Pro Leu Leu Leu Leu Leu

107 CTC TAC ATC CAG AGC GGC CTG GGC ATG AGG ATC TGC TCC TTC AAC
-8 Leu Ser Ile His Ser Ala Leu Ala Met Arg Ile Cys Ser Phe Asn

152 GTC AGG TCC TTT GGG GAA AGC AAG CAG GAA GAC AAG AAT GCC ATG
8 Val Arg Ser Phe Gly Glu Ser Lys Gln Glu Asp Lys Asn Ala Met

197 GAT GTC ATT GTC AAG GTC ATC AAA CGC TGT GAC ATC ATA CTC GTG
23 Asp Val Ile Val Lys Val Ile Lys Arg Cys Asp Ile Ile Leu Val

242 ATG GAA ATC AAG GAC AGC AAC AAC AGG ATC TGC CCC ATA CTC ATG
38 Met Glu Ile Lys Asp Ser Asn Asn Arg Ile Cys Pro Ile Leu Met

287 GAG AAG CTG AAC AGA AAT TCA AGG AGA GGC ATA ACG TAC AAC TAT
53 Glu Lys Leu Asn Arg Asn Ser Arg Arg Gly Ile Thr Tyr Asn Tyr

332 GTG ATT AGC TCT CGG CTT GGA AGA AAC ACA TAT AAA GAA CAA TAT
68 Val Ile Ser Ser Arg Leu Gly Arg Asn Thr Tyr Lys Glu Gln Tyr

377 GGC TTT CTC TAC AAG GAA AAG CTG GTG TCT GTG AAG AGG AGT TAT
83 Ala Phe Leu Tyr Lys Glu Lys Leu Val Ser Val Lys Arg Ser Tyr

422 CAC TAC CAT CAC TAT CAG GAT GGA GAC GCA GAT GTG TTT TCC AGG
98 His Tyr His Asp Tyr Gln Asp Gly Asp Ala Asp Val Phe Ser Arg

467 GAG CCC TTT CTG GTC CGG TTC CAA TCT CCC CAC ACT GCT CTC AAA
113 Glu Pro Phe Val Val Trp Phe Gln Ser Pro His Thr Ala Val Lys

512 GAC TTC GTG ATT ATC CCC CTG CAC ACC ACC CCA GAG ACA TCC GTT
128 Asp Phe Val Ile Ile Pro Leu His Thr Thr Pro Glu Thr Ser Val

557 AAG GAG ATC CAT GAG TTG GTT GAG GTC TAC ACG GAC GTG AAA CAC
143 Lys Glu Ile Asp Glu Leu Val Glu Val Tyr Thr Asp Val Lys His

602 CAT TGG AAG CTC GAG AAT TTT ATT TTC ATG GGT GAG TTC AAT GGC
158 Arg Trp Lys Ala Glu Asn Ile Ile Phe Met Gly Asp Phe Asn Ala

647 GAT TGG AGC TAC GTC CCC AAG AAG GGC TGG AAG AAC ATC CGC TTG
173 Gly Cys Ser Tyr Val Pro Lys Lys Ala Trp Lys Asn Ile Arg Leu

692 AGG ACT GAC CCC AGG TTT GTT TGG CTG ATC GCG GAC CAA GAG GAC
188 Arg Thr Asp Pro Arg Phe Val Trp Leu Ile Gly Asp Gln Glu Asp

737 ACC ACC GTC AAG AAG AGC ACC AAC TGT GGA TAT GAG AGG ATT CTG
203 Thr Thr Val Lys Lys Ser Thr Asn Cys Ala Tyr Asp Arg Ile Val

782 CTT AGA GGA CAA GAA ATC GTC AGT TCT GTT GTT CCC AAG TCA AAC
218 Leu Arg Gly Gln Glu Ile Val Ser Ser Val Val Pro Lys Ser Asn

827 AGT GTT TTT GAC TTC CAG AAA GGT TAC AAG CTG ACT GAA GAG GAG
233 Ser Val Phe Asp Phe Gln Lys Ala Tyr Lys Leu Thr Glu Glu Glu

872 GGC CTG GAT CTC AGC GAC CAC TTT CCA GTT GAA TTT AAA CTA CAG
248 Ala Leu Asp Val Ser Asp His Phe Pro Val Glu Phe Lys Leu Gln

917 TCT TCA AGG GAC TTC ATC AAC AAT AAA AAA TCT GTC AAT CTA AGG
263 Phe Thr Arg Ala Phe Thr Asn Ser Lys Lys Ser Val Thr Leu Arg

962 AAG AAA ACA AAG AAT AAA CAT TGC TAATCCAAATCTGCACTCTTATTAAAC
278 Lys Lys Thr Lys Ser Lys Arg Ser

1012 GATTTCCTTCTTTTAAATAAATCTCTTAAATAAAAAAAAAAAAAAAAAAAAAAAAA

1072 A T T A A

FIGURE 2

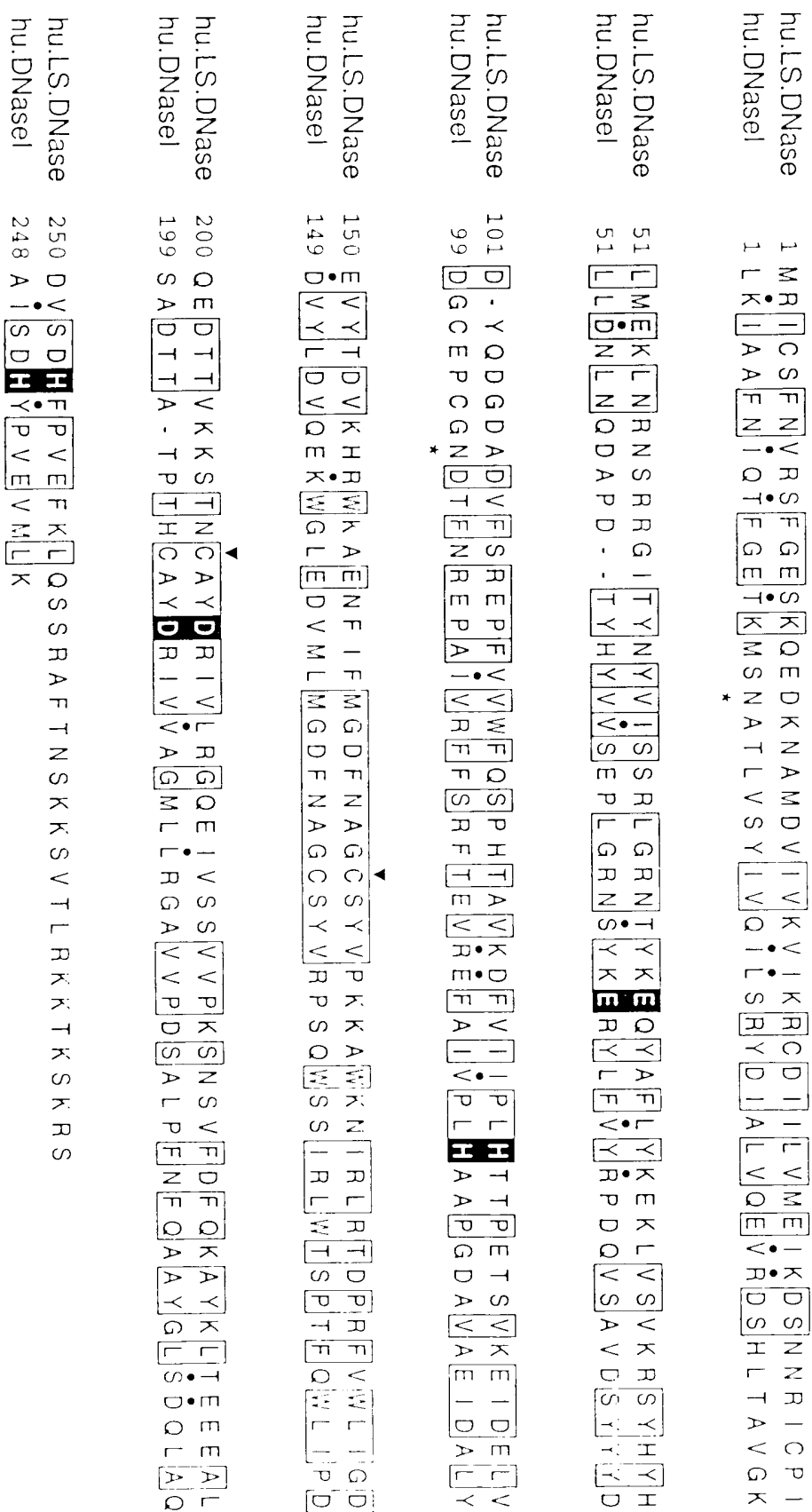


FIGURE 3

1 GAATTCCGGCCCATTAACCTTCATTTCCCTTGGGGATTGAAACGGCGTGATGG
 51 TGAGTTCCCTCAGAGAAAGTGAAAGTGACCTAGAGGGATCCAGTAATTCCTG
 101 TTATCAGCCTGCTTTATAAGTCAAGTGAGCCAGGCACTGTCTTCATCCAGC
 151 CTGAAGTCCCAGGAGTGCAAAGATGTCCCTGTACCCAGCTTCCCCAGGCC
 201 TGGCCTCCCTGTGTGCTCTTCATCCTTGGCCTCCATGACACCTGGCCTTA
 251 AGGCTCTGCTCCTTCAATGTGAGGTCCTTTGGAGCGAGCAAGAAGGAAAA
 301 CCATGAAGCCATGGATATCATTGTGAAGATCATCAAACGCTGTGACCTTA
 351 TACTGTTGATGGAAATCAAGGACAGCAGCAACAACATCTGTCCCATGCTG
 401 ATGGAGAAGCTGAATGGAATTCAGGAAGAAGCACAACATACAACTATGT
 451 GATTAGTTCTCGACTTGGGAAGAAACACGTACAAAGAGCAGTATGCCTTCG
 501 TCTACAAGGAGAAGCTGGTGTCTGTGAAGACAAATAACCACTACCATGAC
 551 TATCAGGATGGAGACACAGACGTGTTTTCCAGGGAGCCCTTTGTGGTTTG
 601 GTTCCATTCCCCCTTTACTGCTGTCAAGGACTTCGTGATTGTCCCCCTTGC
 651 ACACAACTCCCGAGACCTCCGTTAAAGAGATAGATGAGCTGGTGGATGTC
 701 TACACGGATGTGAGAAAGCCAGTGGAAGACAGAGAATTTATCTTCATGGG
 751 TGATTTCAADGCGCGCTGTAGCTATGTCCCCAAGAAGGCCTGGCAGAACAA
 801 TTCGTTTGAGGADGGACCCCAAGTTTGTGTTGGCTGATTGGGGACCAAGAG
 851 GACACTACGCTCAAGAAGAGTACCAGCTGTGCTATGACAGGATTGTGCT
 901 TTGTGGACAAGAGATAGTCAACTCCGTGGTTCCCCGTTCAGTGGCCTCT
 951 TTGACTTTGAGAAAGCTTATGACTTGTCTGAGGAGGAGGCCCTGGATGTC
 1001 AGTATCACTTTCCAGTTGAGTTTAAGCTACAGTCTTCAAAGGCCCTTCAC
 1051 CAACAACAGAAAATCTGTTTCTCTCAAAAAGAGAAAAAAGGCAATCGCT
 1101 CCTAGSTATCACGCTCCGGAATTC